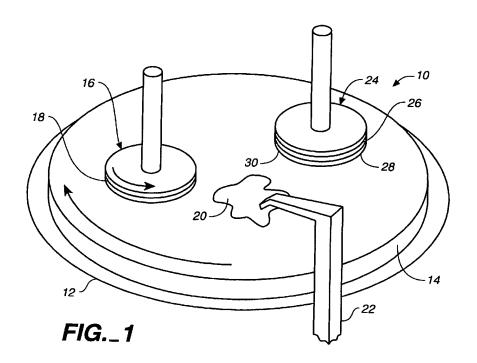
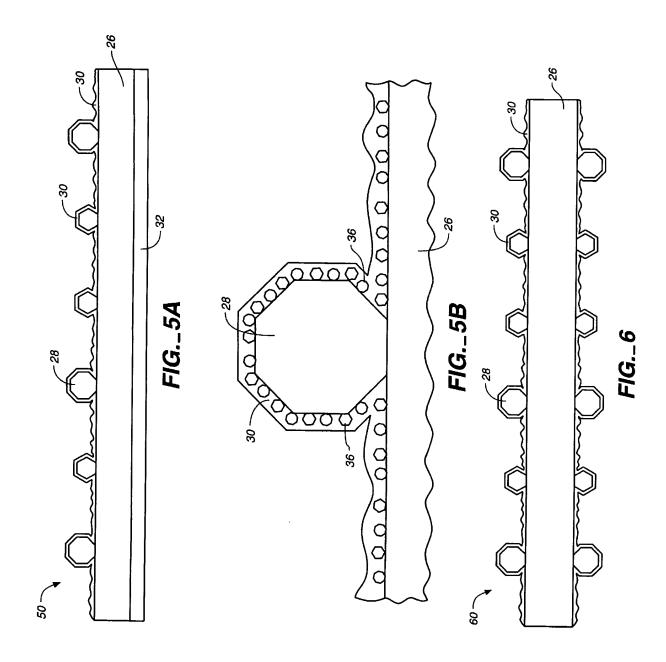
Inventors: David E. Shutz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
Attorney Docket: M8540/279473
Attorney: Bruce D. Gray
Phone: 404.815.6218
Sheet 1 of 17



-32 -35 32 **FIG.\_2** (PRIOR ART) FIG.\_3 FIG.\_4

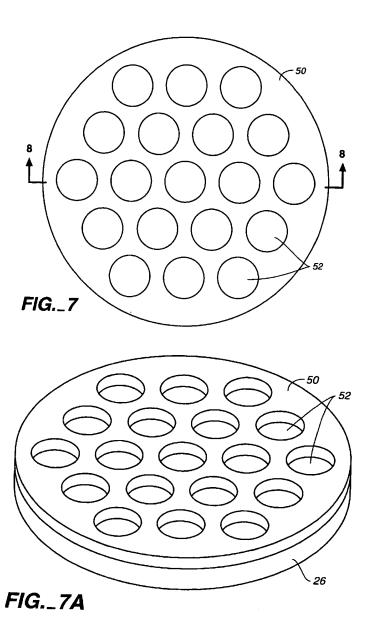
Inventors. David E. Shitz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
Attorney Docket: M8540/279473
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Phone: 404.815.6218
Sheet 2 of 17

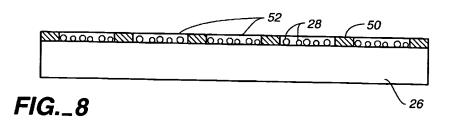
Inventors. David E. Shitz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
Attorney Docket: M8540/279473
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Sheet 3 of 17



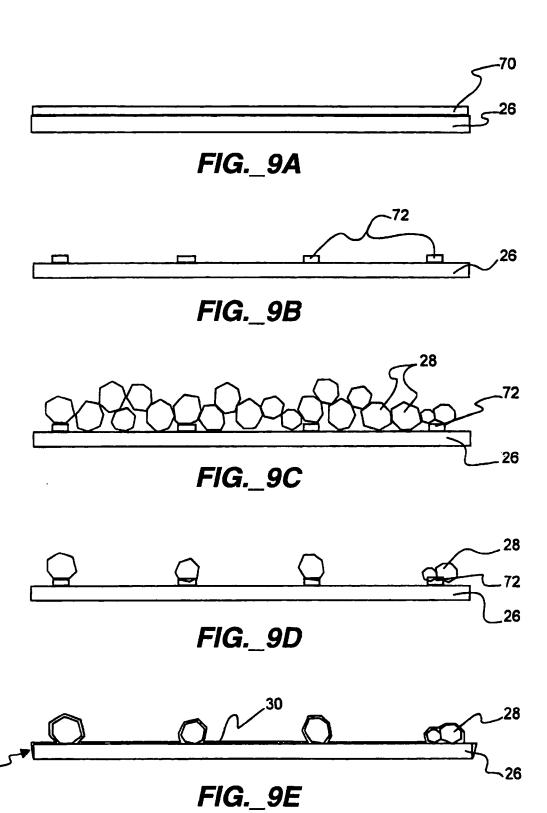
Inventors: David E. Shutz and Steven J. Finke
Serial No.
Filed: July 25, 2003
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Phone: 404.815.6218
Sheet 4 of 17

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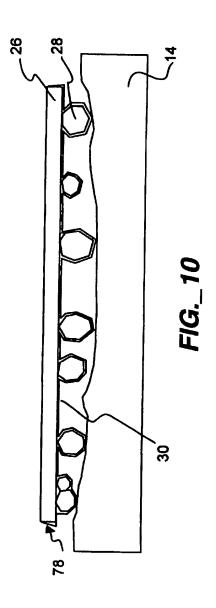


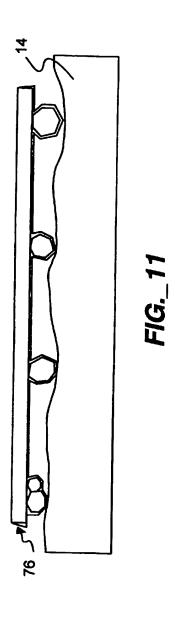


Inventors: David E. Shutz and Steven J. Finke Inventors: David E. Shitz and Steven J. Funce Serial No. Filed: July 25, 2003 Title: CVD Diamond-Coated Composite Substrate Containing a Carbide-forming Material and Ceramic Phases and Method for Making Same Attomey Docket: M8540/279473 Attomey: Bruce D. Gray Phone: 404.815.6218 Sheet 5 of 17



Inventors. David E. Shitz and Steven J. Finke
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Sheet 6 of 17





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Sheet 7 of 17

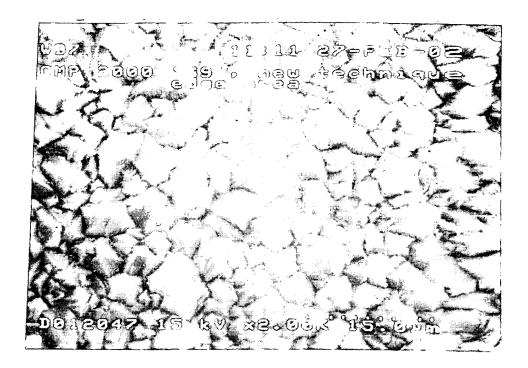


FIG.\_12A



FIG.\_12B

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WD8/
used CMP2000 edge area
worn crystal

D012035 15 kV x6.00K 5.00µm

FIG.\_12C

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Sheet 9 of 17

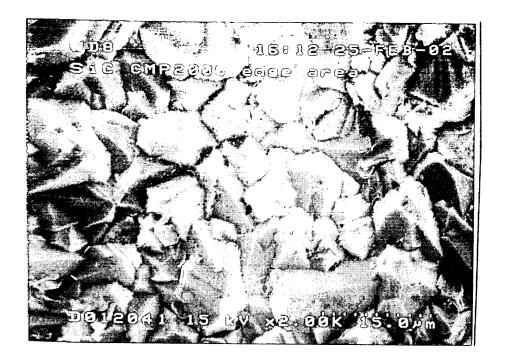


FIG.\_13A

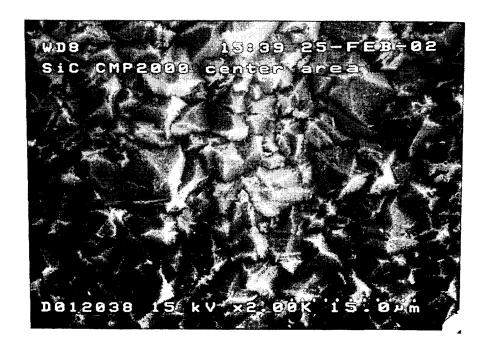


FIG.\_13B

Inventors: David E. Shutz and Steven J. Finke
Serial No.
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Sheet 10 of 17

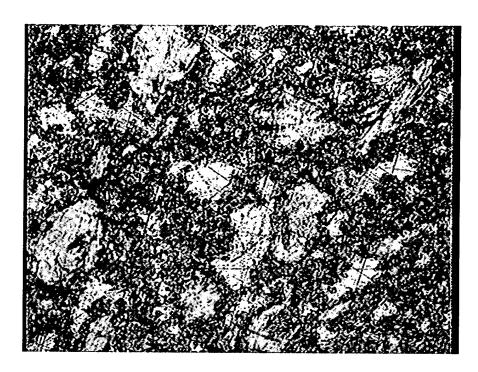


FIG.\_14A

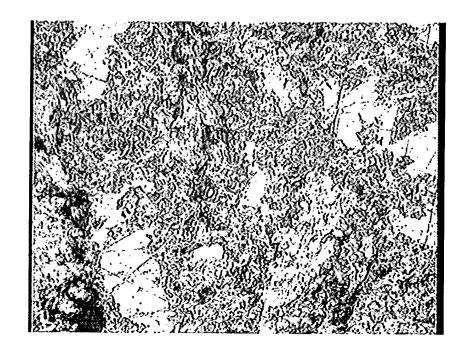


FIG.\_14B

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Phone: 404.815.6218
Sheet 11 of 17

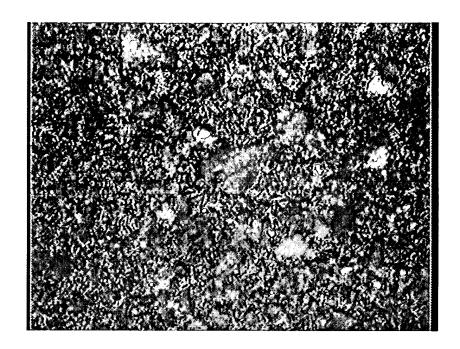


FIG.\_14C

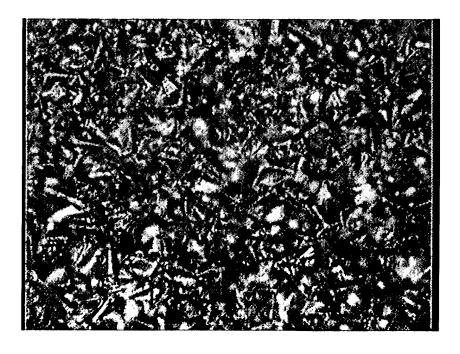


FIG.\_14D

Inventors: David E. Shutz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
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Phone: 404.815.6218
Sheet 12 of 17

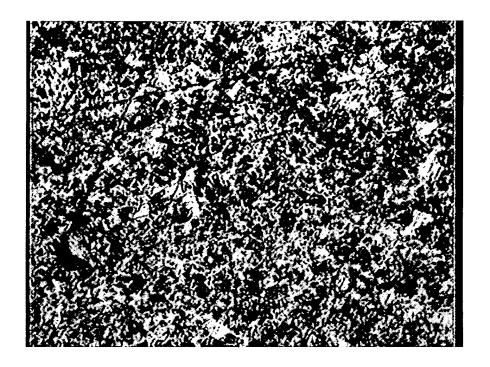


FIG.\_15A

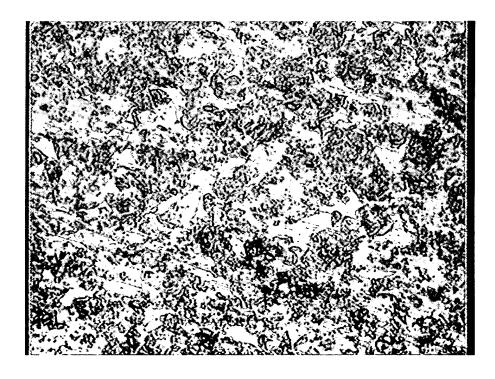


FIG.\_15B

Inventors: David E. Shtz and Steven J. Finke
Serial No.
Filed: July 25, 2003
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Attorney Docket: M8540/279473
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Phone: 404.815.6218
Sheet 13 of 17

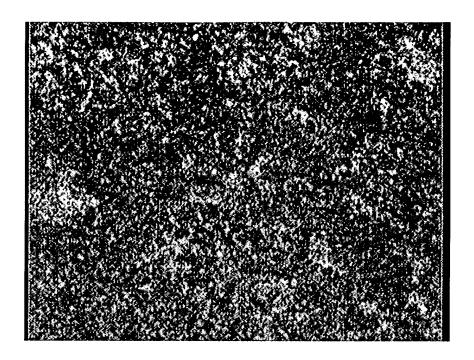


FIG.\_15C

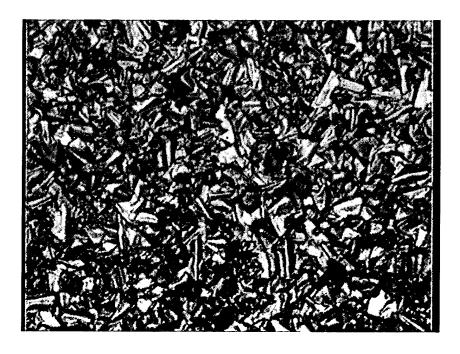


FIG.\_15D

Inventors: David E. Shatz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
Attorney Docket: M8540/279473
Attorney: Brace D. Gray
Phone: 404.815.6218
Sheet 14 of 17

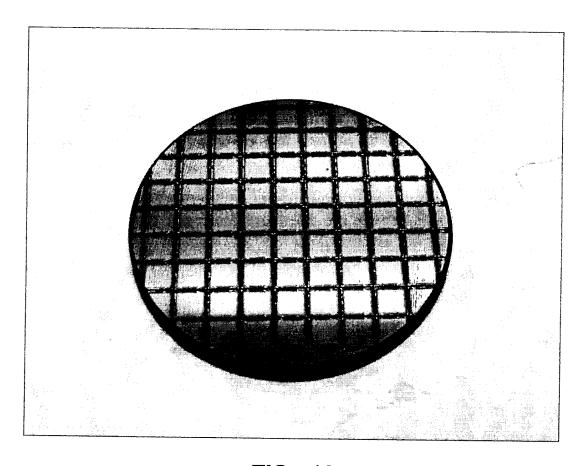


FIG.\_16

Inventors: David E. Shtz and Steven J. Finke
Serial No.
Filed: July 25, 2003
Title: CVD Diamond-Coated Composite Substrate Containing a Carbideforming Material and Ceramic Phases and Method for Making Same
Attorney Docket: M8540/279473
Attorney: Bruce D. Gray
Phone: 404.815.6218
Sheet 15 of 17

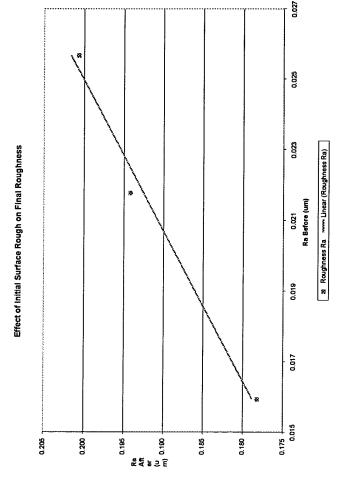
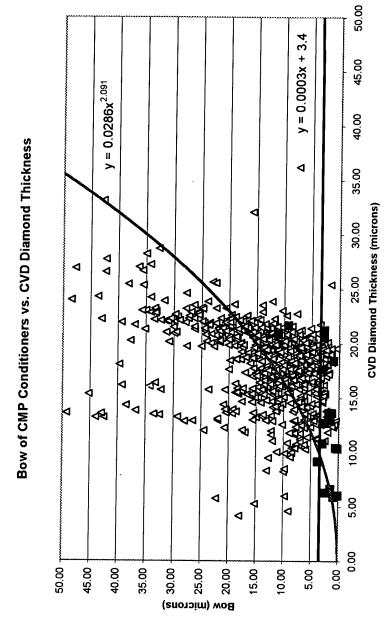


FIG. 17

Inventors: David E. Shutz and Steven J. Finke
Serial No.
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Phone: 404.815.6218
Sheet 16 of 17



--- Linear (PUREBIDE R2000) PUREBIDE R2000 -Power (Silicon) Silicon ٥

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Serial No.
Filed: July 25, 2003
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Attorney Docket: M8540/279473
Attorney: Bruce D. Gray
Phone: 404.815.6218
Sheet 17 of 17

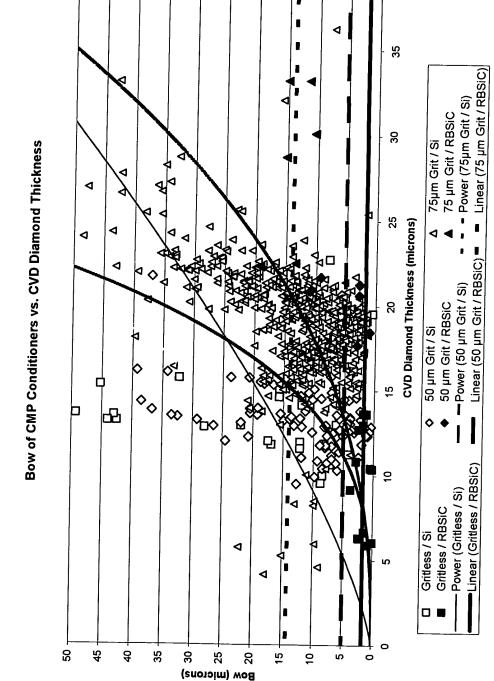


FIG.\_18B